

Course

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1.1.4. Area of Triangle

02.41 A ☾ ⚡ -

Write a Python program that prompts the user to enter the triangle's base and height and computes the triangle's area.

Formula: $\text{Area of Triangle} = 0.5 \times \text{base} \times \text{height}$.

Input Format:

- The first line of input is the float value that represents the base of the triangle.
- The second line of input is the float value that represents the height of the triangle.

Output Format:

- The output is the floating point value that represents the area of a triangle, formatted to two decimals.

Sample Test Cases +

Explorer triangleA...

```
1 base = float(input())
2 height = float(input())
3 area = 0.5 * base * height
4 print(f"{{area:.2f}}")
```

Terminal Test cases

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Algorithm To Calculate Area of a Triangle

Step 1: Start

Step 2: Declare variables base, height, and area

Step 3: Read the values of base and height

Step 4: Calculate the area using the formula

$$\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$$

Step 5: Display the calculated area

Step 6: Stop

